

## MDB | USB Interface

The MDB|USB Interface from Qibixx is a reliable, **universal MDB Interface** which can operate in **MDB master** as well as **MDB peripheral** roles. Using USB, the device plugs and plays with practically all modern computers and embedded controllers. With **2 MDB connectors and independent master and slave interfaces**, the interface can be used for Master, Peripheral, Sniffing and combined applications. The connectors can also be jumpered to operate in parallel to ease with wiring.

Thanks to a **message buffering** concept, the integration with software on the connected computer is easy to achieve and **critical timing** of the MDB standard is **resolved**.

Optional features include a **15W power output (5V)** to operate small embedded computers from the MDB bus power, a **relay** and an **RS-232** port.

### Summary

- **Universal MDB USB Interface**
- USB supported by Windows, Mac OS X and Linux
- **MDB-Master** and **MDB-Slave**, support Master and Slave operation concurrently
- **Precise, time-stamped sniffing** from MDB bus
- 2 years warranty
- Developed in Switzerland, manufactured in the EU
- **Highlevel**, easy to implement **serial Interface protocol**



### Specification

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| <ul style="list-style-type: none"> <li>- USB 2.0 Interface</li> <li>- Dual MDB Connectors, Master and Slave function<br/>Message queuing, local Ack handling (slave)</li> <li>- No power supply necessary (USB bus powered)</li> <li>- Certifications: FCC, CE</li> </ul> | <ul style="list-style-type: none"> <li>- High quality plastic, DIN Rail mount case<br/>103mm x 85mm x 31mm</li> <li>- 4 LED Function indicators</li> <li>- Firmware update capable (via USB)</li> <li>- Operation: 0 to +50°C, Storage -20 .. +70°C</li> <li>- 0-70% relative humidity, non-condensing</li> </ul> |
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Optional functionality ("full" version)

- Power Output (USB A Socket) from MDB  
5V, 3A, non-isolated

- Relay Output controllable via USB
- RS-232 interface (for special applications)

Software options:

Cashless device implementation

Sniffer Software (MDB Toolchest)